

APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. <b>UIZ-038</b>	SERIAL NO. <b>09/653,730</b>
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Whiteley, M. et al.</b>	GROUP <b>1645</b>
		FILING DATE <b>September 1, 2000</b>	MAR 08 2001

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>GH</i>	A1	5,591,872	01/97	Pearson et al.	549	321	
<i>GH</i>	A2	5,593,827	01/97	Bycroft et al.	435	6	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

<i>GH</i>	A3	Adar <i>et al.</i> (1993) "GroESL proteins facilitate binding of externally added inducer by LuxR protein-containing <i>E. coli</i> cells," <i>J Biolumin Chemilumin.</i> 8(5):261-6
	A4	Baldwin, T.O. <i>et al.</i> (1989) "The complete nucleotide sequence of the lux regulon of <i>Vibrio fischeri</i> and the luxABN region of <i>Photobacterium leiognathi</i> and the mechanism of control of bacterial bioluminescence," <i>J. of Biolum. and Chemilum.</i> 4:326-341
	A5	Brint, J. M. <i>et al.</i> (1995) "Synthesis of multiple exoproducts in <i>Pseudomonas aeruginosa</i> is under the control of RhlR-RhlI, another set of regulators in strain PAO1 with homology to the autoinducer-responsive LuxR-LuxI family," <i>J. Bacteriol.</i> 177:7155-7163
	A6	Britigan, <i>et al.</i> (1999) "The <i>Pseudomonas aeruginosa</i> secretory product pyocyanin inactivates alpha1 protease inhibitor: implications for the pathogenesis of cystic fibrosis lung disease," <i>Infect Immun.</i> 67(3):1207-12
	A7	Chapon-Herve, V. <i>et al.</i> (1997) "Regulation of the xcp secretion pathway by multiple quorum-sensing modulons in <i>Pseudomonas aeruginosa</i> ," <i>Mol. Microbiol.</i> 24:1169-1170
	A8	Cormack, B. P. <i>et al.</i> (1996) "FACS-optimized mutants of the green fluorescent protein (GFP)," <i>Gene.</i> 173(1):33-38
	A9	Cunliffe, H. E. <i>et al.</i> (1995) "Cloning and characterization of pvdS, a gene required for pyoverdine synthesis in <i>Pseudomonas aeruginosa</i> : PvdS is probably an alternative sigma factor," <i>J. Bacteriol.</i> 177: 2744-2750
	A10	Davies, D. G. <i>et al.</i> (1998) "The involvement of cell-to-cell signals in the development of a bacterial biofilm," <i>Science.</i> 280(5361):295-8
	A11	Devine, J.H. <i>et al.</i> (1989) "Identification of the operator of the lux regulon from the <i>Vibrio fischeri</i> strain ATCC7744," <i>PNAS</i> 86: 5688-5692
	A12	Eberhard, A., <i>et al.</i> (1991) "Synthesis of the lux gene autoinducer in <i>vibrio fischeri</i> is positively autoregulated," <i>Arch. of Microbiol.</i> 155:294-297
	A13	Evans, K., <i>et al.</i> (1998) "Influence of the MexAB-OprM multidrug efflux system on quorum sensing in <i>Pseudomonas aeruginosa</i> ," <i>J. Bacteriol.</i> 180:5443-5447
	A14	Figurski, D. H. <i>et al.</i> (1979) "Replication of an origin-containing derivative of plasmid RK2 dependent on a plasmid function provided in trans," <i>Proc. Natl. Acad. Sci. USA</i> 76: 1648-1652
Examiner		Date Considered
<i>[Signature]</i>		<i>9/2000</i>
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO <b>UIZ-038</b>	SERIAL NO. <b>09/653,730</b>
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Whiteley, M. et al.</b>	
		FILING DATE <b>September 1, 2000</b>	GROUP <b>1645</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

B1	Fuqua, <i>et al.</i> (1994) "Quorum sensing in bacteria: the LuxR-LuxI family of cell density-responsive transcriptional regulators," <i>J Bacteriol.</i> 176(2):269-75
B2	Fuqua, W.C. <i>et al.</i> (1996) "Census and consensus in bacterial ecosystems: the LuxR-LuxI family of quorum-sensing transcriptional regulators," <i>Annu. Rev. Microbiol.</i> 50:727-751
B3	Fuqua, C. <i>et al.</i> (1998) "Self perception in bacteria: quorum sensing with acylated homoserine lactones," <i>Curr Opin Microbiol.</i> 1(2):183-189
B4	Gambello, M. J. <i>et al.</i> (1991) "Cloning and characterization of the <i>Pseudomonas aeruginosa</i> lasR gene, a transcriptional activator of elastase expression," <i>J. Bacteriol.</i> 173: 3000-3009
B5	Georgakopoulos, D. G. <i>et al.</i> (1994) "Cloning of a Phenazine Biosynthetic Locus of <i>Pseudomonas Aureofaciens</i> PGS12 and analysis of its expression in vitro with the ice nucleation reporter gene," <i>Appl. Environ. Microbiol.</i> 60:2931-2938
B6	Gray, K.M. <i>et al.</i> (1992) "Physical and functional maps of the luminescence gene cluster in an autoinducer-deficient <i>Vibrio fischeri</i> strain isolated from a squid light organ," <i>J. Bacteriol.</i> 174:4384-4390
B7	Hassan, H. M. <i>et al.</i> (1979) "Intracellular production of superoxide radical and of hydrogen peroxide by redox active compounds," <i>Arch Biochem Biophys.</i> 196(2):385-95
B8	Hassan, H. M. <i>et al.</i> (1980) "Mechanism of the antibiotic action pyocyanine," <i>J Bacteriol.</i> 141(1):156-63
B9	Holloway, B. W., <i>et al.</i> (1979) "Chromosomal genetics of <i>Pseudomonas</i> ," <i>Microbiol. Rev.</i> 43:73-102
B10	Jamin, M. <i>et al.</i> (1991) "Accumulation of acyl-enzyme in DD-peptidase-catalysed reactions with analogues of peptide substrates," <i>Biochem J.</i> 280(Pt 2):499-506
B11	Hanzelka, B.A. <i>et al.</i> (1995) "Evidence that the N-terminal region of the <i>Vibrio fischeri</i> LuxR protein constitutes an autoinducer-binding domain," <i>J Bacteriol.</i> 177:815-817
B12	Hanzelka, B.A. <i>et al.</i> (1996) "Quorum sensing in <i>Vibrio fischeri</i> : evidence that S-adenosylmethionine is the amino acid substrate for autoinducer synthesis," <i>J. Bacteriol.</i> 178:5291-5294
B13	Kaplan, H.B. <i>et al.</i> (1985) "Diffusion of autoinducer is involved in regulation of the <i>Vibrio fischeri</i> luminescence system," <i>J. Bacteriol.</i> 163:1210-1214
B14	Kohler, T., <i>et al.</i> (1997) "Characterization of MexE-MexF-OprN, a positively regulated multidrug efflux system of <i>Pseudomonas aeruginosa</i> ," <i>Mol. Microbiol.</i> 23:345-354

Examiner

Date Considered

\*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

REV 7-80

U.S. DEPARTMENT OF  
COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO

SERIAL NO.

UIZ-038

09/653,730

LIST OF PUBLICATIONS CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Whiteley, M. et al.

FILING DATE

September 1, 2000

GROUP

1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

C1	Latifi, A. et al. (1995) "Multiple homologues of LuxR and LuxI control expression of virulence determinants and secondary metabolites through quorum sensing in <i>Pseudomonas aeruginosa</i> PAO1," <i>Mol. Microbiol. Rev.</i> 17:333-344
C2	Latifi, A. et al. (1996) "A hierarchical quorum-sensing cascade in <i>Pseudomonas aeruginosa</i> links the transcriptional activators LasR and RhlR (VsmR) to expression of the stationary-phase sigma factor RpoS," <i>Mol. Microbiol.</i> 21:1137-1146
C3	Linn, T. et al. (1990) "Improved vector system for constructing transcriptional fusions that ensures independent translation of lacZ," <i>J. Bacteriol.</i> 172:1077-1084
C4	Mavrodi, D. V. et al. (1998) "A seven-gene locus for synthesis of phenazine-1-carboxylic acid by <i>Pseudomonas fluorescens</i> 2-79," <i>J. Bacteriol.</i> 180:2541-8
C5	Miller, V. L. et al. (1988) "A novel suicide vector and its use in construction of insertion mutations: osmoregulation of outer membrane proteins and virulence determinants in <i>Vibrio cholerae</i> requires toxR," <i>J. Bacteriol.</i> 170:2575-2583
C6	More, M. I. et al. (1996) "Enzymatic synthesis of a quorum-sensing autoinducer through use of defined substrates," <i>Science.</i> 272(5268):1655-8
C7	Ochsner, U.A., et al. (1995) "Autoinducer-mediated regulation of rhamnolipid biosurfactant synthesis in <i>Pseudomonas aeruginosa</i> ," <i>PNAS</i> , 92:6424-6428
C8	Parsek, M. R. et al. (1999) "Acyl homoserine-lactone quorum-sensing signal generation," <i>Proc. Natl. Acad. Sci. USA.</i> 96:4360-4365
C9	Passador, L., et al. (1993) "Expression of <i>Pseudomonas aeruginosa</i> virulence genes requires cell-to-cell communication," <i>Science</i> 260:1127-1130
C10	Passador, L. et al. (1996) "Functional analysis of the <i>Pseudomonas aeruginosa</i> autoinducer PAI," <i>J Bacteriol.</i> 178(20):5995-6000
C11	Pearson, J.P et al. (1994) "Structure of the autoinducer required for expression of <i>Pseudomonas aeruginosa</i> virulence genes," <i>PNAS</i> 91:197-201
C12	Pearson, J. P., et al. (1997) "Roles of <i>Pseudomonas aeruginosa</i> las and rhl quorum-sensing systems in control of elastase and rhamnolipid biosynthesis genes," <i>J. Bacteriol.</i> 179:5756-5767
C13	Pearson, J. P. et al. (1999) "Active efflux and diffusion are involved in transport of <i>Pseudomonas aeruginosa</i> cell-to-cell signals," <i>J. Bacteriol.</i> 181:1203-1210
C14	Pesci, E.C. et al. (1997) "Regulation of las and rhl quorum sensing in <i>Pseudomonas aeruginosa</i> ," <i>J. Bacteriol.</i> 179:3127-3132

Examiner

Date Considered

\*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO <b>UIZ-038</b>	SERIAL NO. <b>09/653,730</b>
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT <b>Whiteley, M. et al.</b>	
MAR 05 2001		FILED DATE <b>September 1, 2000</b>	GROUP <b>1645</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

D1	Pesci, E.C. et al. (1997) "The chain of command in Pseudomonas quorum sensing," <i>Trends in Microbiol.</i> 5(4):132-135
D2	Poole, K. et al. (1996) "Overexpression of the mexC-mexD-oprJ efflux operon in nfxB-type multidrug-resistant strains of Pseudomonas aeruginosa," <i>Mol. Microbiol.</i> 21:713-724
D3	Poole, K. et al. (1993) "Multiple antibiotic resistance in Pseudomonas aeruginosa: evidence for involvement of an efflux operon," <i>J. Bacteriol.</i> 175:7363-7372
D4	Rombel, I. et al. (1995) "Identification of a DNA sequence motif required for expression of iron-regulated genes in pseudomonads," <i>Mol. Gen. Genet.</i> 246: 519-528
D5	Ruby, E.G. (1996) "Lessons from a cooperative, bacterial-animal association: the Vibrio fischeri-Euprymna scolopes light organ symbiosis," <i>Ann. Rev. Microbiol.</i> 50:591-624
D6	Rust, L. et al., (1996) "Analysis of the Pseudomonas aeruginosa elastase (lasB) regulatory region," <i>J. Bacteriol.</i> 178:1134-1140
D7	Salmond, G.P.C. et al. (1995) "The bacterial 'enigma': cracking the code of cell-cell communication," <i>Mol. Microbiol.</i> 16:615-624
D8	Schaefer, A. L. et al. (1996) "Generation of cell-to-cell signals in quorum sensing: acyl homoserine lactone synthase activity of a purified Vibrio fischeri LuxI protein," <i>Proc Natl Acad Sci U S A.</i> 93(18):9505-9
D9	Schaefer, A. L. et al. (1996) "Quorum sensing in Vibrio fischeri: probing autoinducer-LuxR interactions with autoinducer analogs," <i>J Bacteriol.</i> 178(10):2897-901
D10	Schweizer, H. P. (1993) "Small broad-host-range gentamycin resistance gene cassettes for site-specific insertion and deletion mutagenesis," <i>Biotechniques</i> 15:831-833
D11	Seed, et al. (1995) "Activation of the Pseudomonas aeruginosa lasI gene by LasR and the Pseudomonas autoinducer PAI: an autoinduction regulatory hierarchy," <i>J. Bacteriol.</i> 177:654-659
D12	Simon, R. et al. (1986) "Plasmid vectors for the genetic analysis and manipulation of rhizobia and other gram-negative bacteria," <i>Meth. Enzym.</i> 118:640-659
D13	Simon, R., et al. (1983) "A broad host range mobilization system for in vivo genetic engineering: transposon mutagenesis in gram negative bacteria," <i>Bio-Technology</i> 1:784-791

Examiner

Date Considered

\*EXAMINER

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

